

Illinois U. Library



# *the* **ILLINOIS ENGINEER**



Photo by Decatur Herald and Review

## "JOINT RECOGNITION DINNER"

Left to right: Director Vera M. Binks, President A. W. Neureuther, Professor Thomas C. Shedd



**THE ILLINOIS ENGINEER,  
DECEMBER 1957,  
VOLUME XXXIII. NO. 12**

UNIVERSITY OF ILLINOIS LIBRARY  
UNDERGRADUATE DIVISION  
HARRIS PIER  
CHICAGO 11, ILL.



# ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS, Incorporated

Affiliated with the National Society of Professional Engineers

A. W. NEUREUTHIER, President (73)\*

ROYCE E. JOHNSON, Past President (73)

FRANK W. EDWARDS, Vice-President (73)

A. D. SPICER, Secretary-Treasurer (73)

P. E. ROBERTS, Executive Secretary, Editor

H. E. BABBITT, Secretary Emeritus

## BOARD OF DIRECTION

ANDREW W. NEUREUTHIER, President (73)\*  
FRANK W. EDWARDS, Vice President (73)  
A. D. SPICER, Secretary-Treasurer (73)  
ROYCE E. JOHNSON, Past President (73)  
WAYNE W. WALLACE, National Director (73)  
DWAYN M. WALLACE, National Director (74)  
J. D. VOORHEES, Chairman I.E.C. Representatives (74)  
JOHN HENLINE, Ambraw (73)  
L. D. HUDSON, Capital (74)  
A. C. KESSELL, Capital (73)  
HERMAN W. DORN, Central Illinois (73)  
JOHN E. HOUSIAUX, Central Illinois (74)  
EDWARD M. ANDERSON, Champaign Co. (73)  
C. DALE GREFFE, Champaign Co. (74)  
H. F. SOMMERSCHIELD, Chicago (73)  
ANTHONY ZUMMER, Chicago (74)  
RICHARD THORNTON, DuKane (74)  
C. R. RISELING, Egyptian (73)  
A. L. DIERSTEIN, Illinois Valley (73)  
WILLIAM S. GRAY, Joliet (73)  
IRWIN R. LIETZKE, Lake County (73)  
J. D. VOORHEES, Madison County (73)  
KARL A. BRUGGER, Peoriarea (73)  
ARNOLD LUNDGREN, Rockford (74)  
R. H. RENWICK, Rock River (74)  
A. J. FEICKERT, St. Clair (73)  
CLIFFORD E. MISSMAN, West Central (74)  
CHARLES N. BAINBRIDGE, Jr. Rep. (73)  
P. E. ROBERTS, Executive Secretary

\* Refer to Annual Meeting at which present term expires.

## CHAPTER OFFICERS FOR 1957

CHAPTER	PRESIDENT	VICE-PRESIDENT	SECRETARY-TREASURER
<i>Ambraw</i>	I. C. Bliss	B. P. Johnson	Carl H. Wiley
<i>Capital</i>	R. Dean Collins	H. L. Brantley	Charles Nelson, Sec'y C. R. Ihlenfeldt, Treas.
<i>Central Illinois</i>	J. Parke Boyer	Gilbert D. Henning	Robert E. Schwartz
<i>Champaign County</i>	Gordon V. Carlson	J. Ray Carroll	Wendel F. Kent
<i>Chicago</i>	John G. Duba	Linas H. Brown	George Chlebicki, Sec'y Gerald Marks, Treas.
<i>DuKane</i>	Donald S. Magowan	James E. Scott	John J. Fast
<i>Egyptian</i>	Joseph H. Kirsch	Paul O. Hall	F. H. Persson
<i>Illinois Valley</i>	Francis E. Sexton	R. A. McClevey	T. H. Norris
<i>Joliet</i>	Robert A. Brown	Howard Hassert	Bernard Anderhous, Sec'y James R. Gates, Treas.
<i>Lake County</i>	Urban C. Neyer	Kenneth E. Welton	R. A. Rasmussen, Sec'y Emery Ikan, Treas.
<i>Madison County</i>	Charles K. Graves	John Knottnerus	Tom Shift
<i>Peoriarea</i>	Paul L. Zumwalt	Oscar Frost	Emmett L. Smith
<i>Rockford</i>	Linden C. Hunt		John T. Biggers
<i>Rock River</i>	R. H. Renwick	A. H. Ferger	A. W. Osterling
<i>St. Clair</i>	Philip Bauer	Melvin Dobbs	Stanley Petraitis
<i>West Central</i>	Harry Chapman	Norman A. Sauter	Claude F. Bates

## ILLINOIS ENGINEERING COUNCIL REPRESENTATIVES

J. D. VOORHEES, Chairman; L. K. CRAWFORD, JOHN G. DUBA, ELLIS DANNER

## ILLINOIS SOCIETY OF PROFESSIONAL ENGINEERS

### COMMITTEE APPOINTMENTS FOR 1957-58

#### BOARD OF DIRECTION COMMITTEES

##### Executive Committee

A. W. Neureuther, Chairman. Frank W. Edwards, A. D. Spicer, Wayne W. Wallace, J. D. Voorhees, William S. Gray.

##### Honorary Membership

Royce E. Johnson, Chairman. Dwain M. Wallace, Russell E. Gibbs.

##### Illinois Award

Raymond G. Brichler (73), Chairman. Russell E. Gibbs (73), Merton M. Memler (74), Leo M. Spurling (75), B. P. Johnson (75).

#### SOCIETY COMMITTEES

##### Advertising

Robert Lathrop, J. B. Stall, Fritz Jenkins, F. H. Persson, Donald R. Williams, Howard F. West, S. W. Woods, W. L. Fabianic, Tom Landes, F. L. Pettiti, Philip Bauer.

##### Budget and Finance

Frank W. Edwards, Chairman. Andrew W. Neureuther, A. D. Spicer, C. Dale Greffe.

##### Civil Defense

C. W. Klassen, Chairman. V. E. Gunlock, R. E. Hedgecock, John Doak, W. A. Rakow, L. J. McGonigal, Burt K. Preston, H. V. McCoy, L. P. Murphy, Robert H. Anderson, C. F. Manion, Jr.

##### Constitutional Amendments

J. H. Morgan, Chairman. J. R. Gardner, O. W. Irwin.

##### Cooperation with Illinois Architects

J. Raymond Carroll, Chairman. John Bleck, James E. Chiaro, James G. Cooney, J. Philip Dahlberg, Rodney E. Spangler, William T. Hooper.

##### Ethics and Practice

C. Dale Greffe (73), Chairman. Robert Anderson (73), Clifford Abraham (74), John F. Sweetnam (74), Don Weatherford (75).

##### Fees and Salaries

Gordon V. Carlson (74), Chairman. Lawrence C. Auby (73), L. K. Crawford (73), Dale V. Hammond (73), Howard Verduin (74), Kenneth R. Wood (74), Robert Schwartz (75), Ellis Danner (75), Louis Pappmeier (75), Herbert Miller.

##### Legislative

George L. Farnsworth, Jr., Chairman; R. W. Wallace, Vice Chairman. Herman Dorn, Alois W. Graf, Gilbert D. Henning, Arthur M. Kaindl, Roy Kastner, Harry A. Kluge, Silas Cartland, Dale V. Hammond, Warner Johnson, Elmer R. Knight, Arnold Lundgren, James J. McNally, Charles R. Roberts, G. E. Rynearson, Francis E. Sexton, Leo M. Spurling, C. K. Willett, R. Dean Collins, A. J. Zummer.

##### Membership

J. Raymond Carroll, Vice Chairman; George Foreman, Vice Chairman. C. L. Dees, A. A. Thorsell, Harlow H. Piper, Linas H. Brown, George Booth, Francis Weir, Paul O. Hall,

Arthur Tosetti, Howard Hassert, Richard D. Ciesla, George Shanahan, Tom Landes, Linden C. Hunt, John Shular, William Keeley.

##### Past Presidents

Royce E. Johnson, Chairman. Dwain M. Wallace, C. W. Klassen.

##### Public Relations and Publicity

Robert M. Roy, Chairman. Robert Lathrop, Walter D. Hays, Philip Dierstein, William H. Jacobs, Fred H. Persson, Roy Aaron, Russell Kenyon, Sanger Westphal, H. B. Ratcliff, Clarence Wilson, W. M. Swanstrom, Philip Bauer, Norman Sauter.

##### Resolutions

Gilbert D. Henning, Chairman; M. Dean Wurth, Vice Chairman. D. S. Magowan, J. P. Murphy, R. C. Peppers, James Morrow.

##### State Building Code

Raymond W. Harrington, Chairman. Charles N. Debes, John Dolio, Loren M. Krause, Arthur Jens, Arthur Ball.

##### State Engineering Employees

R. A. Lonier, Chairman. Oscar Frost, Ellis Danner, C. E. Holtman, L. D. Hudson.

##### U.S.G.S. Mapping

Max Suter, Chairman. G. H. Dell, Clifford Missman, Max Seiberling, J. E. Weinle, Charles Danner, William Santana.



# Of Interest to I. S. P. E.

## VOX SECRETARII

by P. E. ROBERTS, Executive Secretary

### Annual Ballot

Between December 2 and December 6 the 1958 annual statements and official ballots were put into the mail. For the record, this is the first time in the modern history of the Society that a contest has been made for any office on the State level. There are two candidates for the office of Secretary-Treasurer, one of whom will be elected, and four candidates for the office of National Director, three of whom will be elected. Consequently, the 1958 election is of considerably increased importance. In the past approximately 600 of the 1,400 eligible corporate members have marked their ballots. This year there are a few more than 1,600 corporate members; therefore, it is to be hoped that at least 1,000 of those eligible to vote will mark their ballots and return them.

### Committee Preference Slip

A Committee Preference Slip is included in the mailing. Those members of the Society who desire to serve on these committees should mark their preference and return the coupon by return mail. On the reverse side of the coupon will be found the 1957 budget of the Illinois Society and the proposed 1958 budget, which was ordered distributed to all those belonging to the Society by the Board of Direction at its September 14 meeting.

### Annual Statements

As will be noted by a study of the budget, approximately 75% of the Society's income is from dues received from those belonging to it. By being an "early bird", that is, sending your annual dues check in at once, you will be helping the Society to maintain its present dues schedule, since the receipt of your check eliminates the necessity for sending out a second or third notice. Your cooperation is appreciated by Society officers and your Executive Secretary.

### Membership

A year ago in this space it was noted that there was a record number of 28 new and 3 reinstatements on the November 21, 1956 ballot. This year records have been broken again and the mark will be difficult to equal. On the November 14, 1957 ballot there were 61 new applications presented, one reinstatement and six transfers, for a total of 68 individual items. Forty-nine of these were for National, six for E-I-T, with the remaining 13 between Honorary Student, Surveyor and Affiliate.

(Continued page 2)

## PRESIDENT'S MESSAGE

Professionalism vs. Unionism

By A. W. NEUREUTHER

N.S.P.E. continues to receive more reports that engineers are shunning unions. Established unions are losing their engineer members, and attempts to unionize engineers are failing consistently.



This seems to be appropriate action for engineers. The Engineer's Creed to which all professional engineers subscribe contains the pledge: "To place . . . the public welfare above all other considerations."

This concept is diametrically opposed to the unionist's goal of getting things by force and coercion, if necessary, for the benefit of a relatively small group, the union members only.

Apparently any means, fair or foul, will suffice; and the public welfare frequently suffers from union strife.

Here is the basic difference between professionalism and unionism. The engineer desires to merit and deserve the recognition, prestige, dignity, and adequate compensation which he so richly deserves. He believes he should be worthy of it, and that if he be worthy of it, he will be recognized and will be granted his reasonable requests.

He maintains a proper attitude of heart and mind toward all others. A professional engineer is pledged to be a man of good will toward all other men. That's the true Christmas Spirit. It is also the professional spirit.

In this holiday season the Illinois Society of Professional Engineers wishes everyone a Very Merry Christmas and a Happy New Year!

### CONTENTS OF THIS ISSUE

	Page
President's Message.....	1
Vox Secretarii .....	1
Sadder and Wiser Freshmen.....	3
September Board Meeting Digest.....	5
Joint Recognition Dinner.....	5
News of the Chapters .....	6
New Members .....	6

### READ THE ADVERTISEMENTS

#### SUBSCRIPTION RATES

\$2.00 per year in advance to members of the Illinois Society of Professional Engineers. \$4.00 per year in advance to non-members in U.S.A. and its possessions, Canada, and Mexico. Foreign \$6.00. Single copies 40c.

Published by the Illinois Society of Professional Engineers, Inc., at 614 East Green Street, Champaign, Illinois.

Address all communications to the Illinois Society, P. E. Roberts, Editor, 614 East Green Street, Champaign, Illinois.

The Illinois Society is not responsible for statements made or opinions expressed in this publication.

Entered as Second Class Matter April 27, 1949, at the Post Office, Champaign, Illinois.



**VOX SECRETARII (Continued)**

Thirty-two of the National grade applications are directly traceable to the current insurance membership campaign. Of the 246 inquiries received as a result of this campaign, the Executive Secretary's office has received 58 applications. Without a doubt, the cooperative effort between the Continental Casualty Company and the Illinois Society has been very worthwhile. As you read this the records will show that membership totals in the Illinois Society have exceeded the long-sought-for 2,000 goal. Membership totals will continue to climb. Subsequent to the November 14 ballot there have been 25 applications received, which will go on the next ballot. Part of this membership thrust must be credited to the activities of the Chicago Chapter. Other Chapters have a golden opportunity to increase their membership substantially; however, it, like any other activity, will require work and effort on the part of individual members.

**Christmas Greetings**

Number one assistant, Mrs. Donna Freeman, joins me, your Executive Secretary, in wishing each person belonging to the Illinois Society a very Merry Christmas and a Happy, Prosperous 1958.

**CHRISTMAS PRAYER**

*Give me the vitality and the industry to do a full day's work every day.*

*Give me the originality and the dexterity to act faster than my competitors.*

*Give me the capacity and the ability to deliver more than I receive.*

*Give me the honesty and the sincerity to fairly judge my fellow man and his work.*

*Give me the simplicity and the graciousness to think clearly.*

*Give me the patience and willingness to do irritating work well.*

*Give me the courage and good sense to change my mind.*

*Give me the poise and humbleness to handle personal success.*

*Give me the tenacity and steadfastness to finish every hard job.*

*Give me the faith and the loyalty to have confidence in my associates.*

*Keep me in good health, guide me to be a good father, and make me a solid citizen.*

*So be it,*

P. E. ROBERTS

**HAMDEN TESTING SERVICES, INC.**

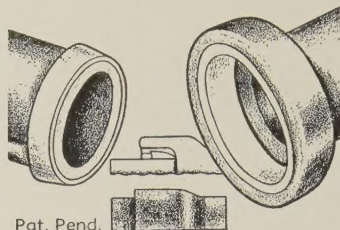
Soil Mechanics Laboratory & Field Tests

7956 Oakton Street Chicago 31, Ill.

SPring 4-2435

## SAVE CONSTRUCTION DOLLARS with

### Streator's Amvit Plastic Joints



1. Controls Infiltration
2. Root Proof
3. Speeds Installation
4. Saves Labor
5. More Ditch Per Day
6. Quick Testing
7. Permits Deflection
8. Absorbs Shocks
9. Has Better Flow
10. Less Maintenance

A Longer, Stronger Mechanically  
Jointed Vitrified Clay Pipe

Approved By State Health and  
Plumbing Departments

### STREATOR DRAIN TILE COMPANY

1907 — 50 Years — 1957

Streator, Illinois

Phones 2-2131—2-2132

## ORNAMENTAL METALWORKS COMPANY

Steel Stairs and Metal Railings  
Miscellaneous Iron & Structural Steel  
Cast Iron Frames & Covers  
Manhole Steps  
Pipe Railing  
Flag Poles  
Weir Plates  
Bronze Bolts  
Grating & Frames  
Stop Plates & Grooves  
Steel Doors & Windows  
Stainless Steel, Bronze & Aluminum  
Aluminum Sash and Doors  
Thresholds

440 South Franklin Street, Decatur, Illinois

PHONE 8-3446



# SADDER AND WISER FRESHMEN

*Reprinted from the Chicago Daily Tribune, December 2, 1957*

The University of Illinois recently played host to a two day conference which brought high school principals and teachers face to face with some of their former students, now at the university. Chief topic of discussion was how the high schools had prepared their students for higher education, especially in English composition. A later conference will concentrate on mathematics.

"Every student here seems to feel that he should have had more English in high school, to the point of being bitter," one principal observed. Time after time students reported that they had not been held to high enough standards in high school. They have not learned to write competently, to read well, to study. When they get to college they find themselves handicapped by the lack of skills they could and should have learned earlier.

When the blind lead the blind, both fall in the ditch. The combination of anti-intellectual high school authorities with students too immature to know their own best interests naturally results in the waste of years of schooling. A halfway intelligent freshman can learn that in only a few months on the university's campus.

We are in a bad situation indeed when college freshmen can instruct high school principals and teachers in the importance of being able to read and write proficiently and resourcefully. Yet if the elders need such instruction [and it has been obvious for years that they do], conferences like that at Urbana can be useful. If the conspirators to keep high school students from learning anything come to realize that large numbers of former students and their parents are outraged, it may not be too much to hope that our schools will undergo a badly needed reform.

If it is sad to contemplate what today's college students have not learned in high school yesterday, it is even more discouraging to think about those who have not gone to college. Tho at a shocking waste of time and money, many college students belatedly acquire a respect for and a familiarity with intellectual skills. The millions for whom high school is the end have no such second chance.

It would be a serious mistake to allow any increase in the ambition of high school programs to be limited only to a college bound elite. Every high school student is entitled to an educational experience that challenges

and exercises his entire intelligence. Those who do not go to college must learn in high school, if ever, what formal education and directed study can do for a man.

The "more English" that the sadder and wiser youths at Urbana wish they had had is not so much more courses in English, as different ones. Tho the sciences and foreign languages have all but disappeared from the studies of too many high school students, English has nominally held its ground. But what goes on in the name of "English"?

A quantity of less than half baked busy work, the book length study issued by the curriculum commission of the National Council of Teachers of English showed clearly—and complacently.

Planning the senior prom, organizing a Red Cross drive, talking about ways of improving the school grounds, reading "some particular phase of literature such as world literature"—these and many more dubious projects pass as English studies. Numerous curriculum experts openly decry minimum essentials and objective standards. But without insistence upon essentials and standards, any amount of so-called English study may leave the graduates as illiterate as they are now.

On Saturday afternoons thruout the fall the success or failure of football coaches is exhibited for all to see. For too long our high schools' performance in preparing their graduates for the intellectual demands of either college or nonacademic life has been unexamined. Both the nation and individuals will gain if the schools are increasingly called upon to redirect their energies from "sandbox activity" to the serious business of improving minds.

## EDITOR'S NOTE.

*The key to raise educational standards is to supply universities with better material. Too many high schools and high school teachers have accepted the soft touch. It will be of lasting value if you will visit your high school principal and the president of your Board of Education. If conditions as described in this editorial prevail in your school, you, as a taxpayer, should take immediate steps toward improving them. Additional copies of this issue are available on request.*

The story of the beginning of the world required only 400 words, the Ten Commandments only 297, and Lincoln's Gettysburg Address only 256. But a government announcement of a cut in the price of cabbage seed took 2,621 words.

**I hold every man a debtor to his profession;  
from the which as men of course do seek to receive  
countenance and profit, so ought they of  
duty to endeavor themselves by way of amends  
to be a help and ornament thereunto.**

**Sir Francis Bacon**

## LEE I. OSBORN

Engineer-Contractor

Bridges  
Foundations  
Docks & Pile Driving

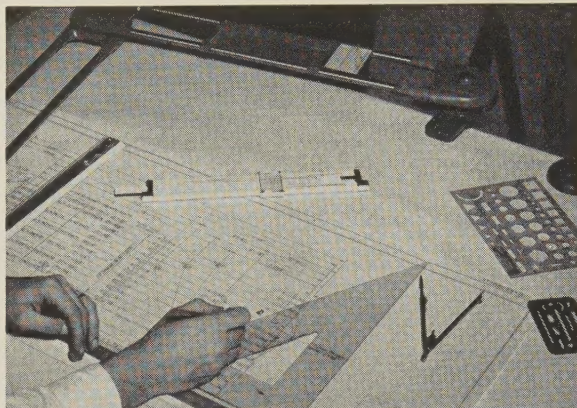
Drainage & Levee Work  
Heavy Excavation  
Grading & Paving

P. O. Box 2

Muscataine, Iowa



# Engineered . . . for your protection



A plan of Sickness and Accident Income Protection  
Hospital - Surgical - Medical Benefits

Endorsed by the

Illinois Society of Professional Engineers, Inc.

Available only to members, their families and employees  
IP-7473                      AP-11856 U                      IP-11763 AU Series

Underwritten by

**CONTINENTAL CASUALTY COMPANY**  
CHICAGO, ILLINOIS



America's No. 1  
Accident & Sickness  
Insurance Company

Full details will be explained by an authorized representative who  
will call on you. We strongly urge you to participate.

Your Endorsed protection program is offered only through:

**HARRIS ASSOCIATES**

Intermediate Division Association Counselors

105 West Madison Street

Chicago 2, Illinois—Telephone STate 2-9327, all depts.

IN EXCESS OF TWO MILLION CLAIMS PAID TOTALING MORE THAN \$770,000,000.00 ALL DEPARTMENTS



## I.S.P.E. BOARD MEETING— ALLERTON PARK—SEPTEMBER 14, 1957

Twenty-three board members attended a regular board meeting as part of the Workshop Conference, at which time officers gave reports. The Executive Committee report approved a Tellers Committee finding relative to the vote on constitutional changes providing for collection of chapter dues by our state office, and it also approved the purchase of eight shares of A.T. & T. stock before the end of 1957.

The functional sections program was discussed and eight objectives of functional sections were approved. A resolution was adopted to establish a functional section for Engineers in Private Practice, including membership, by-laws and officers. Appointment of a committee on an Education functional section was approved.

A Surveyors Conference at the University of Illinois is planned this winter and the board approved I.S.P.E. sponsorship for this conference.

Under new business, the board approved the following:

- 1—The area comprising DeKalb County is now detached from Rock River Chapter and is attached to DuKane Chapter.
- 2—Mail Board of Direction minutes to chapter vice-presidents and secretaries who request them.
- 3—Minutes of Board of Direction proceedings shall be summarized and published in the ILLINOIS ENGINEER.
- 4—Copies of present budget, and proposed budget for the coming fiscal year shall be mailed to corporate members with the 1958 dues statements.

The next Board meeting will be held at the Decatur, Illinois Y.M.C.A. on January 11, 1958.

Briefed by J. D. Voorhees

Board member

November 27, 1957

An engineer has figured out that the peak years of mental activity must be between the ages of four and eighteen. At four, we know all the questions; at eighteen, all the answers.

## JOINT RECOGNITION DINNER

Three Chapters, Capital, Central Illinois and Champaign County, held a joint recognition dinner to honor the newly registered engineers in the Decatur Elks Club on November 6. Seventy-five members and guests attended the dinner. J. Parke Boyer, President of Central Illinois Chapter, was Master of Ceremonies. He introduced Capital Chapter's President Collins and Champaign County Chapter President Carlson.

One of the most impressive events of the evening was the reading in unison of the Engineers Creed, led by Professor Thomas C. Shedd, a member of the Department of Registration and Education Professional Engineer Examining Committee. Professor Shedd is also Chairman of the Structural Examining Committee.

Illinois Society President A. W. Neureuther also attended in a dual capacity. President Andy is serving his first term as a member of the Professional Engineering Examining Committee. (See cover photograph)

Director Vera M. Binks, Department of Registration and Education, State of Illinois, outlined many of the problems and the procedures of the Department. Miss Binks has the distinction of being the first woman cabinet member in the long history of the State of Illinois government. That she has done her work for the State extremely well is supported by the fact that she is presently serving her second term in that office. Miss Binks stated that she appreciated the cooperation she had received from the members and officers of the Illinois Society. Likewise, the Society takes this opportunity to publicly thank Miss Binks for her cooperation in many ways, not only to the Society, but to its many members.

The Illinois Engineering Council, which gave splendid cooperation in sending out the letters of invitation to this and other recognition dinners in the State, was represented by Past President Ellis Danner and several member society representatives.

One of the most important aspects of these recognition dinners is the proof that engineers can engage in unified action as well as talk about it. As expressed before, the success of these recognition dinners has been such as to warrant them a permanent annual place on the Illinois Society's calendar.

## The Professional Personnel Service

Serving the

**SCIENTIFIC PROFESSIONS**

Come in and see our free listings for  
**ENGRS.-MET.-CHEM.-SCIEN.-DRAFTSMEN**

Thurs. to 7:30 P.M.—Sat. to 1:00

No charge to register with us.

We wish you and yours a Very Merry Christmas and  
a Happy, Healthy, and Prosperous New Year

**BONNELL H. ALLEN, P.E., Owner**

55 E. Washington, Chicago 2, RAndolph 6-4252

## HIGHWAY SHORT COURSE

The 44th Annual Illinois Highway Engineers Conference under the Direction of Ellis Danner will be held on the campus of the University of Illinois on February 25, 26 and 27, 1958. The Assistant Director is John W. Hutchinson, 303 Civil Engineering Hall, Urbana, Illinois.

The 10th Annual Illinois Traffic Engineering Conference will be held on February 27 and 28, 1958, under the directorship of John E. Baerwald, 401 Civil Engineering Hall, Urbana, Illinois.



## NEWS OF THE CHAPTERS

On October 24, 21 members and guests of the **Ambrow Chapter** attended a dinner meeting in the Pine Room of the Roslyn Cafe in Effingham. Following the business meeting ISPE President Neureuther gave a very interesting talk on professionalism, and recited the Engineers' Creed. He developed the point that if an engineer will display diligence, competence, judgment and ethical conduct and will assume responsibility, he will achieve recognition and the rewards of a professional engineer. After President Neureuther's talk, K. W. Porter, President of C. J. Moritz, Inc., showed colored slides and gave an interesting description of the construction of the 4½ billion gallon Blue Point Creek Reservoir just completed by his company and Mautz and Oren, Inc., for the Effingham Water Authority.

**Central Illinois Chapter** members and guests enjoyed their annual dinner dance in the Tunnel Room of the St. Nicholas Hotel on October 19. Music for this popular event was furnished by John Sheperd and His Orchestra.

**West Central Chapter** held a dinner meeting on October 16 at the Harbor Lights. After dinner ISPE Secretary-Treasurer and Past President Spicer made a few remarks to newly registered professional engineers. Three of those residing in the area of West Central Chapter were present. An exhibit and lecture entitled "The Story of Measurement", which told the story of measurement from the beginning of recorded history down to the present day, was furnished by the Doall Company of Des Plaines, builders of precision equipment.

The Annual Ladies Night of **Joliet Chapter** was held on October 23 at the Candlelight Inn in Joliet. Fifty-one members and guests were present. Following dinner Mr. E. A. Anderson, a 50 year resident of Joliet, presented an interesting group of slides entitled "The Glamour of Yellowstone." Mr. Anderson's commentary was most interesting and informative.

Newly registered professional engineers in the **Lake County Chapter** area were recognized at a dinner held on October 16 at Hank's Supper Club in Waukegan. President Neureuther presented certificates to the five new registrants present, then spoke on the aims and activities of the Illinois Society.

The **Illinois Valley Chapter** met on November 19 at The Pines north of Streator. Two films, one on the making of brick in England and another on research in the United States were shown by Ron Ryner and Don Wakefield, regional engineers for the Structural Clay Products Institute. The regular business meeting was held following the program.

**St. Clair Chapter** met on November 14 and elected the following men to office for the year of 1958:

Melvin A. Dobbs, President  
Earl W. Markwardt, Vice President  
Stanley J. Petraitis, Secretary-Treasurer  
Arthur J. Feickert, Chapter Representative.

The regular monthly meeting of the **Chicago Chapter** was held on November 14 with 31 members and guests present. The Chapter Nominating Committee report was read, making the following nominations: President Linas Brown; Vice President, John Slattery; Secretary Anthony Zummer; Treasurer, William Jacobs; and Chapter Representatives, John Dolio (one year term) and John Duba and Harold Sommerschild (two year terms). George J. Chlebicki was nominated from the floor as a candidate for Vice President. Following the business meeting, Col. J. B. Corey, Jr., of the Corps of Engineers gave an interesting talk.

On November 21 the **DuKane Chapter** met in the Aurora Elks Club and elected the following slate of officers for the coming year:

President, James E. Scott  
Vice President, John J. Fast  
Secretary-Treasurer, Benjamin Houden

Following the business meeting Thomas Cavanagh, Jr. presented an interesting film of the production of iron ore in Labrador by the Armco Steel Corporation.

## NEW MEMBERS

### National

Abdula, Fred, 21 North Orchard, Waukegan (Lake County)  
Adams, Joseph, Jr., 121 East Summer St., Hillsboro. (Capital)  
Alexander, Dillard B., 902 Croghan Ave., Joliet. (Joliet)  
Basler, Paul, 2649 West 25th St., Chicago 8. (Chicago)  
Bates, Walter A., Sugar Creek Dr., Joliet. (Joliet)  
Berton, Philip L., 1226 South Glen Oak Ave., Lombard. (Chicago)  
Bisch, Benjamin M., R. R. No. 3, Plainfield. (Joliet)  
Bourque, Robert Z., 11400 Parnell, Chicago 28. (Chicago)  
Bramsen, Svend, 330 Park Blvd., Glen Ellyn. (Chicago)  
Burt, Harry L., 618 Hickory Street, Waukegan. (Lake County)  
Clark, John T., 747 Wesley Dr., Park Ridge. (Chicago)  
Concklin, Lewis F., 14311 Dearborn St., Riverdale 27. (Chicago)  
Cooper, Harry, 5522 Bohlander Ave., Berkeley. (Chicago)  
Creelman, Clifford K., 4035 Forest, Western Springs. (Chicago)  
DePree, Howard J., 5020 N. Central Ave., Chicago. (Chicago)  
Donoghue, John L., 1829 Culver Lane, Glenview. (Chicago)  
Dunne, John J., 8130 Cornell Ave., Chicago 17. (Chicago)  
Fischman, Samuel O., 2852 W. Rascher Ave., Chicago 25. (Chicago)  
Gerber, Burton C., 4754 West Washington, Chicago. (Chicago)  
Goodell, John D., 712 E. Pennsylvania, Urbana. (Champaign County)  
Gross, DeWitt C., 6805 North Mendota Ave., Chicago 30. (Chicago)  
Hadfield, Joseph M., 4256 Kamerling, Chicago 51. (Chicago)  
Hanno, Leonard E., 209 Spring St., Willow Springs. (Chicago)  
Harke, Raymond J., 5505 W. Potomac Ave., Chicago 51. (Chicago)  
Hart, Virgil O., 507 Albany St., Peoria. (Peoria area)  
Heatherly, Benjamin, 7147 South Ridgeland Ave., Chicago. (Chicago)  
Hochberg, Morris M., 1303 West Pratt Blvd., Chicago 26. (Chicago)  
Hunt, John E., 311 South Albert, Mt. Prospect. (Chicago)  
Hunt, Marion P., 815 North Wood St., Chicago. (Chicago)  
Jacobson, John A., 1006 Robinhood Lane, LaGrange Park. (Chicago)



Joffe, Morris H., 3232 Victoria St., Chicago 45. (Chicago)  
 Johnston, Archie M., 401 East Main, Robinson. (Ambraw)  
 Kambie, Stanley F., 5535 Linden Ave., LaGrange. (Chicago)  
 Kuehl, Henry A., R.F.D., Crystal Lake. (Chicago)  
 Larson, Donald J., R.R. No. 3, Joliet. (Joliet)  
 Muhlenbruch, Carl W., 4071 Fairway Dr., Wilmette. (Chicago)  
 Orszula, Norbert R., 130 East Grove St., Lombard. (Chicago)  
 Phillips, Lee C., 91 Meadow Park, Decatur. (Central Illinois)  
 Raffel, David N., 1413 Wesley, Evanston. (Chicago)  
 Reynolds, H. Lester, 1130 N. Green Bay Rd., Lake Bluff. (Lake County)  
 Selbe, Rexford L., 4946 Elm, Skokie. (Chicago)  
 Shaffer, Harold S., R.R. 1, Decatur. (Central Illinois)  
 Sommerfeld, Sumner S., 1913 East Indiana St., Wheaton. (Chicago)  
 Spalding, Thomas R., 529 West 63rd St., Clarendon Hills. (Chicago)  
 Stoll, Herbert M., 227 South Oak Park Ave., Oak Park. (Chicago)  
 Styles, Edwin B., 11216 South Oakley Ave., Chicago. (Chicago)  
 Wakeland, Howard L., 1600 Sheridan, Champaign. (Champaign County)  
 Zanzie, Charles E., 54 East Daniels, Palatine. (Chicago)

### State (Land Surveyor)

Crowe, L. Dale, 1861 East Lawrence, Decatur. (Central Illinois)

### Affiliate

Callaghan, James E., 7206 South Shore Dr., Chicago. (Chicago)  
 Clark, Robert H., 1208 Douglas, Joliet. (Joliet)  
 Moline, Wilbur L., 1718 Taylor, Joliet. (Joliet)

### Engineer-in-Training

Dombrosky, Joseph G., Jr., 2352 Rutherford, Chicago 35. (Chicago)  
 Giebelhausen, Gerald F., 3341 North Sawyer Ave., Chicago. (Chicago)  
 Klingeman, Peter C., 912 Noyes St., Evanston. (Chicago)

Krbec, Frank J., 2405 South 56th Court, Cicero. (Chicago)  
 Nagel, Donald A., 7648 West 66th St., Argo. (Chicago)  
 Peterson, James W., 6840 West 171 State, Tinley Park. (Chicago)

### Honorary Student

Kinsey, Albert M., 1950 River Road, Melrose. (Chicago)  
 Miller, Donald A., 223 South Albert St., Mt. Prospect. (Chicago)  
 Nowak, Edwin J., 3280 Milwaukee Ave., Northbrook. (Chicago)  
 Saffir, Oliver S., 3140 South Michigan, Chicago 16. (Chicago)  
 Krause, Frederick A., R.R. 1, Peoria. (Peoriarea)  
 Sommerfield, William V., R.R. 5, East Peoria. (Peoriarea)

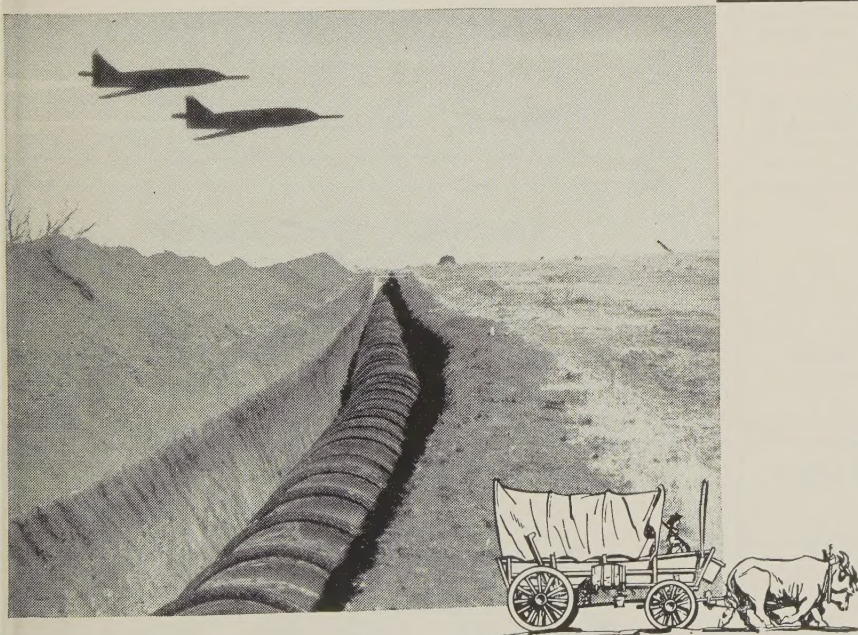
### Reinstatements

Bauer, Edward E., 304 West Iowa, Urbana. (National) (Champaign County)

### Transfers in Grade

Larson, Raymond E., Alaskan Air Command, APO 942, Seattle, Wash. (Student to National) (Champaign County)  
 Redding, James A., 482 Crea, Decatur. (E-I-T to National) (Central Illinois)  
 Scherwat, William R., 710 West John, Champaign. (E-I-T to National) (Champaign County)  
 Folger, Allan B., 9143 South Ada St., Apt. 2, Chicago 20. (Junior to Affiliate) (Chicago)  
 Gates, Robert R., 1128 Walkup Ave., Carbondale. (Junior to Affiliate) (Egyptian)  
 Sorensen, William A., 933 West Lincoln, Belvidere. (Junior to Affiliate) (Rockford)

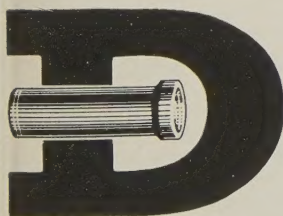
People will gamble on anything. Now they're beginning to save money in hopes it might be valuable again some day.



## Timeless sewers with Dickey Pipe

You build generations of trouble-free service into sewers when you use Dickey Salt Glazed Vitrified Clay Sewer Pipe. Regardless of the alkalinity of the soil . . . the pH of the sewage . . . the destructiveness of industrial wastes . . . or the attack of the dilute sulphuric acid formed from sewer gas . . . Dickey pipe will remain unharmed. The chemically inert clay body of Dickey pipe is fused into one smooth, strong piece at temperatures in excess of 2000° F. It is one of the most dense, corrosion-proof materials known to man . . . the ideal material for sewers that must serve communities or industries for generations . . . despite the content of the sewage emptied into them.

Providing improved sanitation for better living



**DICKEY** sanitary  
salt-glazed  
clay pipe  
W. S. DICKEY CLAY MFG. CO.

Birmingham, Ala., Chattanooga, Tenn., Kansas City, Mo., Meridian, Miss.  
 St. Louis, Mo. San Antonio, Tex. Texarkana, Tex.-Ark.

If it's made of clay it's good . . . if it's made by Dickey it's better.



# PROFESSIONAL DIRECTORY

## DE LEUW, CATHER & COMPANY

CONSULTING ENGINEERS

Public Transit      Subways  
Traffic and Parking      Railroad Facilities  
Expressways      Industrial Plants  
Grade Separations      Municipal Works  
Urban Renewal      Port Development

150 North Wacker Drive, Chicago 6  
San Francisco      Toronto      Oklahoma City

## ALVORD, BURDICK & HOWSON

Water Works      Water Purification      Flood Relief  
Sewerage      Sewage Disposal      Drainage      Appraisals  
Power Generation

20 NORTH WACKER DRIVE      CHICAGO 6, ILL.

## JENKINS, MERCHANT & NANKIVIL

Consulting Engineers

Municipal Improvements      Sewerage  
Power Development      Water Systems  
Traffic Surveys      Industrial Plants  
Flood Control      Recreational Facilities  
Air Ports      Investigations and Reports

805 East Miller Street      Springfield, Illinois

## BELING ENGINEERING CONSULTANTS

DESIGNERS OF



Heating, Air Conditioning, Plumbing and Electrical Systems  
for Buildings • Water and Sewer Systems and Plants  
Municipal Engineers • Subdivision Planners

307 — 16th St., Moline, Illinois  
1011 Main St., Peoria 5, Ill.      10 Third Ave., Joliet, Ill.  
811 W. Springfield Ave., Champaign, Ill.      914 Grand Ave., Des Moines 9, Ia.  
306 Park Ave., Rockford, Ill.      314 N. 4th St., Burlington, Ia.

## STANLEY ENGINEERING COMPANY

Consulting Engineers

Hershey Building      208 South LaSalle Street  
Muscatine, Iowa      Chicago 4, Illinois

## HOWARD C. HARDY AND ASSOCIATES

CONSULTANTS IN ACOUSTICS

Architectural Acoustics      Noise Surveys

Noise Control of

Factories, Offices, and Living Areas

22 West Madison St.      Phone ANdover 3-6069  
Chicago 2, Illinois

## SCHIRMER ENGINEERING CORP.

FIRE PROTECTION ENGINEERS

Nationwide fire protection, engineering, consulting and  
inspection service. Preparation of schematic sprinkler  
design layout drawings and specifications, special hazard  
protection layouts, and specifications.

We visit over 3500 cities semi-annually.

2447 W. Peterson Avenue      Chicago 45, Illinois  
Phone—LOngbach 1-5269.

## GREELEY AND HANSEN

ENGINEERS

Water supply, Water Purification, Sewerage, Sewage  
Treatment, Flood Control, Drainage, Refuse Disposal

220 SOUTH STATE STREET  
CHICAGO 4, ILL.

## ROCK ISLAND BRIDGE & IRON WORKS, INC.

Charles R. Roberts, Member NSPE, President  
FABRICATED STRUCTURAL STEEL FOR  
BRIDGES AND BUILDINGS

1603 Mill Street      Phone 6-4405  
Rock Island, Illinois

## CRAWFORD, MURPHY & TILLY

CONSULTING ENGINEERS

Water Works, Sewerage, Airports, Street  
Improvements, Traffic Surveys

PHONE 8-5619

755 S. GRAND AVE., WEST      SPRINGFIELD, ILL.

## RUSSELL AND AXON

CONSULTING ENGINEERS

Civil—Sanitary—Structural  
Industrial—Electrical  
Rate Investigations

408 Olive Street, St. Louis 2, Missouri  
Municipal Airport, Daytona Beach, Florida

## CRESCENT ENGINEERING COMPANY, INC.

Contracting and Consulting Electrical Engineers  
Design, Supervision and Construction

Process Power and Lighting for Industrial Plants  
6455 S. CENTRAL AVENUE      CHICAGO 38, ILL.

## SOIL TESTING SERVICES, INC.

Consulting Engineers

Soil Investigations—Laboratory Testing  
Foundation Recommendations and Design

3521 N. Cicero Avenue      Chicago 41, Illinois  
Milwaukee, Wis. • Portland, Mich. • Kenilworth, N. J.  
San Francisco, California • Havana, Cuba

## CONSOER, TOWNSEND AND ASSOCIATES

Water Supply, Sewerage, Flood Control and Drainage,  
Bridges, Express Highways, Paving, Power Plant,  
Appraisals, Reports, Traffic Studies, Airports  
Gas and Electric Transmission Lines  
SUPERIOR 7-7054  
360 E. Grand Ave., Chicago 11, Illinois